# FIX-N-FAX #177

## CALIFORNIA DEPARTMENT OF FORESTRY
## AND FIRE PROTECTION

Number  177

### Waterous CPK-3, 475 GPM  (Modified)

The following information is provided by the Fleet Management staff in the Coastal Cascade Region.  The early production hydrostatic pumping systems were put in service equipped with a Waterous CPK-3, 475 gpm, fire pump with wet packing.

In 1996, CDF modified and tested this pump with a mechanical seal.  The parts needed to convert to a mechanical seal are the same used in the later CPK-3, 500 gpm pumps, EXCEPT THE IMPELLER DRIVE SHAFT.  New shafts have been manufactured and are available from the Davis Equipment Facility.

Parts to modify: (Waterous)

| | | |
|---|---|---|
| (1) | Spacer Impellers | 51039 |
| (2) | Interstage Seal | 61178 |
| (3) | Gasket (heads) | 50714 |
| (4) | Valve Flapper | 61180 |
| (5) | Impeller Driveshaft | CDF manufactured |

## Mobile Equipment Inventory Listing of Affected Fire Engine

| X NO. | LICENSE | YR | MAKE | PILOT | PUMP | REGION/UNIT |
|---|---|---|---|---|---|---|
| | 852113 | 78 | INTL | 12 | Waterous CPK-3 475 Pack | 9 - Historical |
| 04X256 | 874639 | 83 | INTL | 5 | Waterous CPK-3 475 Pack | 2 - Tehama-Glenn |
| 04X002 | 409051 | 85 | INTL | 14 | Waterous CPK-3 475 Pack | 2 - Butte |
| 05X194 | 382353 | 86 | INTL | 1 | Waterous CPK-3 475 Pack | 2 - Mendocino |
| 04X094 | 413546 | 87 | INTL | 5 | Waterous CPK-3 475 Pack | 3 - San Bernardino |
| 04X257 | 413549 | 87 | INTL | 5 | Waterous CPK-3 475 Pack | 9 - Fire Academy |
| 04X009 | 382337 | 88 | INTL | 5 | Waterous CPK-3 475 Pack | 2 - Siskiyou |
| 04X021 | 382346 | 88 | INTL | 5 | Waterous CPK-3 475 Pack | 2 - Siskiyou |
| 04X030 | 382348 | 88 | INTL | 5 | Waterous CPK-3 475 Pack | 2 - Tehama-Glenn |
| 04X040 | 382345 | 88 | INTL | 5 | Waterous CPK-3 475 Pack | 2 - Butte |
| 04X043 | 382347 | 88 | INTL | 5 | Waterous CPK-3 475 Pack | 2 - Butte |
| 05X218 | 382388 | 88 | INTL | 1 | Waterous CPK-3 475 Pack | 2 - Nevada-Yuba-Placer |